

--file PeepholeDefs.mesa edited by Sweet June 20, 1978 10:07 AM

DIRECTORY

 AltoDefs: FROM "altodefs" USING [BYTE],
 CodeDefs: FROM "codedefs" USING [CCIndex, CodeCCIndex, JumpCCIndex],
 ControlDefs: FROM "controldefs" USING [FieldDescriptor],
 TableDefs: FROM "tabledefs" USING [TableNotifier];

PeepholeDefs: DEFINITIONS =
 BEGIN

 PeepState: TYPE = RECORD[
 c: CodeDefs.CodeCCIndex,
 bp, cp: ARRAY [1..3] OF WORD,
 b: CodeDefs.CodeCCIndex,
 binst: AltoDefs.BYTE,
 bmin: BOOLEAN,
 ap: ARRAY [1..3] OF WORD,
 cinst: AltoDefs.BYTE,
 cmin: BOOLEAN,
 a: CodeDefs.CodeCCIndex,
 ainst: AltoDefs.BYTE,
 amin: BOOLEAN];

 JumpPeepState: TYPE = RECORD[
 c: CodeDefs.JumpCCIndex,
 bp, cp: ARRAY [1..3] OF WORD,
 binst: AltoDefs.BYTE,
 bmin: BOOLEAN,
 b: CodeDefs.CodeCCIndex,
 cinst: AltoDefs.BYTE,
 cmin: BOOLEAN];

 SetRealInst: PROCEDURE [BOOLEAN];
 SetSourceIndex: PROCEDURE [CARDINAL];
 InitParametersABC: PROCEDURE [p: POINTER TO PeepState];
 InitParametersBC: PROCEDURE [p: POINTER TO PeepState];
 InitParametersC: PROCEDURE [p: POINTER TO PeepState];
 InitJParametersBC: PROCEDURE [p: POINTER TO JumpPeepState];
 SlidePeepState2: PROCEDURE [p: POINTER TO PeepState, ci: CodeDefs.CodeCCIndex];
 SlidePeepState1: PROCEDURE [p: POINTER TO PeepState, ci: CodeDefs.CodeCCIndex];
 cpeepz: PROCEDURE [start: CodeDefs.CodeCCIndex];
 HalfByteLocal: PROCEDURE [c: CodeDefs.CCIndex] RETURNS [BOOLEAN];
 LoadInst: PROCEDURE [c: CodeDefs.CCIndex] RETURNS [BOOLEAN];
 PackPair: PROCEDURE [l,r: [0..16]] RETURNS [w: WORD];
 UnpackPair: PROCEDURE [w: WORD] RETURNS [l,r: [0..16]];
 UnpackFD: PROCEDURE [d: ControlDefs.FieldDescriptor] RETURNS [p,s: CARDINAL];
 MCO: PROCEDURE [i: AltoDefs.BYTE, minimal: BOOLEAN];
 delete2: PROCEDURE [a,b: CodeDefs.CCIndex];
 delete3: PROCEDURE [a,b,c: CodeDefs.CCIndex];
 PeepholeZNotify: TableDefs.TableNotifier;
 PeepholeUNotify: TableDefs.TableNotifier;

END.